

Mon Mar 17 16:47:31 2003

us-09-840-243b-11.ra1

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OM protein - protein search, using sw model

Run on: March 17, 2003, 16:38:57 ; Search time 15 Seconds
(without alignments)
509.997 Million cell updates/sec

Title: US-09-840-243B-11
Perfect score: 1341
Sequence: 1 MELTOPADLIQTQTPASE.....VIENHILKLFQSNLVPADPE 260

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues 262574

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_Aa.*
1: /cgn2_6/ptodata/2/1aa/5A-COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B-COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A-COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B-COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/PCTUS-COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfilltest.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1341	100.0	260	2	US-09-172-977-1
2	205	15.3	348	2	US-09-031-485-28
3	205	15.3	348	2	US-08-847-429A-28
4	205	15.3	348	3	US-09-065-474-28
5	205	15.3	348	4	US-09-031-485-33
6	205	15.3	1745	2	US-08-847-429A-33
7	205	15.3	1745	2	US-09-065-474-33
8	205	15.3	1745	2	US-09-557-034-33
9	205	15.3	1745	2	US-09-172-977-4
10	202.5	14.7	1839	2	US-09-082-059-2
11	197	14.0	843	4	US-09-172-977-3
12	187.5	13.9	1088	4	US-09-082-059-2
13	187	13.9	673	4	US-09-196-387-8
14	187	13.9	949	4	US-09-196-387-10
15	187	13.9	1327	4	US-09-196-387-2
16	171.5	12.8	741	2	US-08-462-481-2
17	171.5	12.8	741	2	US-08-434-998-2
18	171.5	12.8	741	2	US-08-487-797-2
19	171.5	12.8	741	2	US-08-434-998-2
20	171.5	12.8	741	2	US-08-701-005A-2
21	171.5	12.8	741	2	US-08-479-895-2
22	171.5	12.8	741	3	US-08-943-956A-2
23	171.5	12.8	741	5	PCT-US95-02058-2
24	169.5	12.6	741	2	US-08-436-771-4
25	169.5	12.6	741	2	US-08-434-998-4
26	169.5	12.6	741	2	US-08-487-797-4
27	169.5	12.6	741	5	PCT-US95-02058-4

28	165.5	12.3	452	3	US-09-035-706-2	Sequence 2, Appl1
29	165.5	12.3	452	3	US-08-955-841-2	Sequence 2, Appl1
30	165.5	12.3	452	4	US-09-390-425-2	Sequence 2, Appl1
31	165.5	12.3	452	4	US-09-566-906-2	Sequence 3, Appl1
32	163	12.2	118	3	US-08-934-131-3	Sequence 2, Appl1
33	161	12.0	118	3	US-08-965-904B-2	Sequence 1, Appl1
34	161	12.0	118	4	US-08-934-131-1	Sequence 156, App
35	160.5	12.0	267	4	US-09-071-035-154	Sequence 379, App
36	159	11.9	238	4	US-09-605-785-156	Sequence 379, App
37	158.5	11.8	656	4	US-09-439-313-379	Sequence 380, App
38	158.5	11.8	656	4	US-09-439-313-379	Sequence 380, App
39	158.5	11.8	656	4	US-09-439-313-380	Sequence 380, App
40	158.5	11.8	671	4	US-09-439-313-380	Sequence 378, App
41	158.5	11.8	671	4	US-09-439-313-378	Sequence 378, App
42	158.5	11.8	1719	4	US-09-439-313-378	Sequence 378, App
43	158.5	11.8	1719	4	US-09-439-313-378	Sequence 378, App
44	158.5	11.8	1719	4	US-09-352-616A-378	Sequence 378, App
45	158.5	11.8	1719	4	US-09-352-616A-378	Sequence 378, App

ALIGNMENTS

RESULT 1
US-09-172-977-1 Application US/09172977
Sequence 1, 5969653
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Guegler, Karl J.
APPLICANT: Coleley, Neil C.
TITLE OF INVENTION: HUMAN ANKRRIN FAMILY PROTEIN
FILE REFERENCE: PF-0615 US
CURRENT APPLICATION NUMBER: US/09/172, 977
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PERL Program
SEQ ID NO 1
LENGTH: 260
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: 1808075
US-09-172-977-1

Query Match	100.0%	Score 1341	DB 2	Length 260
Best Local Similarity	100.0%	Pred. No. 8.5e-130	Indels 0	Gaps 0
Matches 260	Conservative	0	Mismatches	0
QY	1	MELTOPADLIQTQTPASELGDPEDEGEADGSDTVLSLFPCTPPVNPPEPDASVSS	60	
DB	1	MELTOPADLIQTQTPASELGDPEDEGEADGSDTVLSLFPCTPPVNPPEPDASVSS	60	
QY	61	POAGSLKSTLTITNROGNEVSLPATLDSLSIHQAQGEIDOLKEHLRKGNLVNKP	120	
DB	61	POAGSLKSTLTITNROGNEVSLPATLDSLSIHQAQGEIDOLKEHLRKGNLVNKP	120	
QY	121	DEGFPLIMASAPGIEIVFLEWGADPHILAKEESLSLASTGYTDIVGLLEERD	180	
DB	121	DEGFPLIMASAPGIEIVFLEWGADPHILAKEESLSLASTGYTDIVGLLEERD	180	
QY	181	VDINIVDMNGTFLIYAVGNHYKCEVALLARAGADLTTEADSGTTPMDIAVALGYRKVOQ	240	
DB	181	VDINIVDMNGTFLIYAVGNHYKCEVALLARAGADLTTEADSGTTPMDIAVALGYRKVOQ	240	
QY	241	VIENHILKLFQSNLVPADPE 260		
DB	241	VIENHILKLFQSNLVPADPE 260		
QY	241	VIENHILKLFQSNLVPADPE 260		
DB	241	VIENHILKLFQSNLVPADPE 260		

Sequence 28, Application US/09031485
Patent No. 5824306

GENERAL INFORMATION:

APPLICANT: Tang, Liang
TITLE OF INVENTION: DIROFILARIA AND BRUGIA ANKYRIN
TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES, AND
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:

ADDRESSEE: Carol Talkington Verser, Ph.D.
STREET: 1825 Sharp Point Drive
CITY: Fort Collins
STATE: Colorado
COUNTRY: USA
ZIP: 80525

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Wordperfect for Windows, Version 7.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/031,485
FILING DATE:

CLASSIFICATION: 530
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER: US/08/847,429
FILING DATE: 24-APR-1997
ATTORNEY/AGENT INFORMATION:

NAME: Verser, Carol Talkington
REGISTRATION NUMBER: 37,459
REFERENCE/DOCKET NUMBER: HW-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 970/493-7272
TELEFAX: 970/484-9505

INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:

LENGTH: 348 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-09-031-485-28

Query Match
Best Local Similarity 15.3%; Score 205; DB 2; Length 348;
Matches 58; Conservative 28; Mismatches 77; Indels 8; Gaps 3;

Db 75 NRORGNESVALPATLDSLSIHQAQGEIDOLKEHLRKGDNLVKNKDERGFTPLIWASAF 134

Db 28 NSQHSNKGES-----SASFLLRAARAGNDRLVLELRSGTD-INTCNANGNALHLASKE 80

QY 135 GEIETVRFLEWAGADPHILAKERSALSLASTGTYDVLGLLELDRVDINITYDNNGGTP 194

Db 81 GHHEVVELLKRKADVDATRKGNLTALHTASLAGOELITVTVLVENGANVAVQSLNGFTPL 140

QY 195 LYAVRGNHVCVALLARADLTTEADSGTYPMDLAVALGY-RKYQOVLEN 244

Db 141 YMAQENHESVRYLHANNAQALSTEDGFTPLAVALQGHDRVAVVLEN 191

RESULT 3

US-08-847-429A-28

Sequence 28, Application US/08847429A
Patent No. 5827692

GENERAL INFORMATION:

APPLICANT: Tang, Liang
TITLE OF INVENTION: DIROFILARIA AND BRUGIA ANKYRIN
TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES, AND
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:

ADDRESSEE: Carol Talkington Verser, Ph.D.
STREET: 1825 Sharp Point Drive
CITY: Fort Collins
STATE: Colorado
COUNTRY: USA
ZIP: 80525

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Wordperfect for Windows, Version 7.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/847,429A
FILING DATE: 24-APR-1997
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Verser, Carol Talkington
REGISTRATION NUMBER: 37,459
REFERENCE/DOCKET NUMBER: HW-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 970/493-7272
TELEFAX: 970/484-9505

INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:

LENGTH: 348 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-847-429A-28

Query Match
Best Local Similarity 15.3%; Score 205; DB 2; Length 348;
Matches 58; Conservative 28; Mismatches 77; Indels 8; Gaps 3;

Db 75 NRORGNESVALPATLDSLSIHQAQGEIDOLKEHLRKGDNLVKNKDERGFTPLIWASAF 134

Db 28 NSQHSNKGES-----SASFLLRAARAGNDRLVLELRSGTD-INTCNANGNALHLASKE 80

QY 135 GEIETVRFLEWAGADPHILAKERSALSLASTGTYDVLGLLELDRVDINITYDNNGGTP 194

Db 81 GHHEVVELLKRKADVDATRKGNLTALHTASLAGOELITVTVLVENGANVAVQSLNGFTPL 140

QY 195 LYAVRGNHVCVALLARADLTTEADSGTYPMDLAVALGY-RKYQOVLEN 244

Db 141 YMAQENHESVRYLHANNAQALSTEDGFTPLAVALQGHDRVAVVLEN 191

RESULT 4

US-09-065-474-28

Sequence 28, Application US/09065474
Patent No. 6063599

GENERAL INFORMATION:

APPLICANT: Tang, Liang
TITLE OF INVENTION: DIROFILARIA AND BRUGIA ANKYRIN
TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES, AND
NUMBER OF SEQUENCES: 171
CORRESPONDENCE ADDRESS:

ADDRESSEE: Carol Talkington Verser, Ph.D.
STREET: 1825 Sharp Point Drive
CITY: Fort Collins
STATE: Colorado
COUNTRY: USA
ZIP: 80525

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Wordperfect for Windows, Version 7.0
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/065,474
FILING DATE: 24-APR-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Verser, Carol Talkington
REGISTRATION NUMBER: 37,459
REFERENCE/DOCKET NUMBER: HW-5-C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 970/493-7272
TELEFAX: 970/484-9505
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 348 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-065-474-28

Query Match 15.3%; Score 205; DB 3; Length 348;
Best Local Similarity 33.9%; Pred. No. 7.6e-13;
Matches 58; Conservative 28; Mismatches 77; Indels 8; Gaps 3;

QY 75 NRORNEVSALPATIDSLIHOLAQGLDQKEHLRKGDNLVKNPDERGFTPLIMASAF 134
DB 28 NSQHSNKGES-----SASFLLRARGNLDRLRLRSGTD-INTCNANGNLALHLASKE 80

QY 135 GEIEFVRELEMGADPHILAKERESALSLASTGYTDIVGLLEEDVDINIVDMNGFTPL 194
DB 81 GHHEVRELEKRAVDATRKGNTHLHSLAGELIVTVLVENGANNVQSLNGFTPL 140

QY 195 LYAVRGNHVKCEALLARGADLTTEADSGYTPMDLAVAGY-RKYQOVIEN 244
DB 141 YMAQENHESVRYLLAHNANQALSTEDGFTPLAVALQGGHDRVAVVALLLEN 191

RESULT 5
US-09-557-034-28
Sequence 28, Application US/09557034
Patent No. 6365569
GENERAL INFORMATION:
APPLICANT: Tang, Liang
Blehm, E. Scot
TITLE OF INVENTION: DIROFILARIA AND BRUGIA ANKYRIN
PROTEINS, NUCLEIC ACID MOLECULES, AND
USERS THEREOF
NUMBER OF SEQUENCES: 171
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carol Talkington Verser, Ph.D.
Heska Corporation
STREET: 1825 Sharp Point Drive
CITY: Fort Collins
STATE: Colorado
COUNTRY: USA
ZIP: 80525
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Wordperfect for Windows, Version 7.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/557,034
FILING DATE: 21-Apr-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,474
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Verser, Carol Talkington
REGISTRATION NUMBER: 37,459
REFERENCE/DOCKET NUMBER: HW-5-C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 970/493-7272
TELEFAX: 970/484-9505

INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 348 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 28:
US-09-557-034-28

Query Match 15.3%; Score 205; DB 4; Length 348;
Best Local Similarity 33.9%; Pred. No. 7.6e-13;
Matches 58; Conservative 28; Mismatches 77; Indels 8; Gaps 3;

QY 75 NRORNEVSALPATIDSLIHOLAQGLDQKEHLRKGDNLVKNPDERGFTPLIMASAF 134
DB 28 NSQHSNKGES-----SASFLLRARGNLDRLRLRSGTD-INTCNANGNLALHLASKE 80

QY 135 GEIEFVRELEMGADPHILAKERESALSLASTGYTDIVGLLEEDVDINIVDMNGFTPL 194
DB 81 GHHEVRELEKRAVDATRKGNTHLHSLAGELIVTVLVENGANNVQSLNGFTPL 140

QY 195 LYAVRGNHVKCEALLARGADLTTEADSGYTPMDLAVAGY-RKYQOVIEN 244
DB 141 YMAQENHESVRYLLAHNANQALSTEDGFTPLAVALQGGHDRVAVVALLLEN 191

RESULT 6
US-09-031-485-33
Sequence 33, Application US/09031485
Patent No. 5824306
GENERAL INFORMATION:
APPLICANT: Tang, Liang
Blehm, E. Scot
TITLE OF INVENTION: DIROFILARIA AND BRUGIA ANKYRIN
PROTEINS, NUCLEIC ACID MOLECULES, AND
USERS THEREOF
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carol Talkington Verser, Ph.D.
Heska Corporation
STREET: 1825 Sharp Point Drive
CITY: Fort Collins
STATE: Colorado
COUNTRY: USA
ZIP: 80525
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: Wordperfect for Windows, Version 7.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/031,485
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/847,429
FILING DATE: 24-APR-1997
ATTORNEY/AGENT INFORMATION:
NAME: Verser, Carol Talkington
REGISTRATION NUMBER: 37,459
REFERENCE/DOCKET NUMBER: HW-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: 970/493-7272
TELEFAX: 970/484-9505
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 1745 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-031-485-33

Query Match 15.3%; Score 205; DB 2; Length 1745;

APPLICANT: Tang, Liang
Blehm, E. Scot
TITLE OF INVENTION: DIOFILARIA AND BRUGIA ANKRYIN
PROTEINS, NUCLEIC ACID MOLECULES, AND
USERS THEREOF

```
NUMBER OF SEQUENCES: 171
CORRESPONDENCE ADDRESS:
ADDRESS: Carol Talkington Verser, Ph.D.
Heska Corporation
STREET: 1825 Sharp Point Drive
CITY: Fort Collins
STATE: Colorado
COUNTRY: USA
ZIP: 80525
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows 95
SOFTWARE: WordPerfect for Windows, Version 7.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/557,034
FILING DATE: 21-Apr-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/065,474
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Verser, Carol Talkington
REGISTRATION NUMBER: 37,459
REFERENCE/DOCKET NUMBER: HW-5-C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 970/493-7272
TELEFAX: 970/484-9505
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 1745 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-09-557-034-33

Query Match      15.3%  Score 205;  DB 4;  Length 1745;
Best Local Similarity 33.9%;  Pred. No. 9.4e-12;
Matches 58;  Conservative 28;  Mismatches 77;  Indels 8;  Gaps 3;

QY 75 NRQGNVSAIPATLDSISIHQAQGLDQKEHLRKDNLVKNKPDGRGFTPLIMASAF 134
DB 28 NSQHSNKGES-----SASFLRARAGNLDRVLELRSGTD-INTCNANGNLALSLASKE 80
QY 135 GELETYRFLLEWGAADPHITLAKERSALSASTGTYTDIVGLLEERDVDTINTYDMNGGTP 194
DB 81 GHHEVVRRLKRRADVDAATRKGNLTALHIASLAGQELIVTLVENGAMVNVQSLNGFTPL 140
QY 195 LVYVRGNHVCEVALLARGADLTTEADSGYTPMDLAVAGY-RKYQVYIEN 244
DB 141 YMAAQENHESVAYKLLAHNANQALSTEDGFTPLAVLQQGHDRVAVALLLEN 191

RESULT 10
US-09-172-977-4
Sequence 4, Application US/09172977
Patent No. 5989863
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Guegler, Karl J.
APPLICANT: Corley, Neil C.
APPLICANT: Yue, Henry
TITLE OF INVENTION: HUMAN ANKYRIN FAMILY PROTEIN
FILE REFERENCE: PF-0615 US
CURRENT APPLICATION NUMBER: US/09/172,977
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PERL Program
SEQ ID NO 4
LENGTH: 1839
TYPE: PRT
ORGANISM: Homo sapiens
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FEATURE:
OTHER INFORMATION: 929491
US-09-172-977-4

Query Match      15.1%  Score 202.5;  DB 2;  Length 1839;
Best Local Similarity 29.3%;  Pred. No. 1.8e-11;
Matches 56;  Conservative 43;  Mismatches 81;  Indels 11;  Gaps 4;

QY 55 DASVSPQAGSSLSKHSITTLTRQGNVSALPATLDSISIHQAQGLDQKEHLRKGD 114
DB 5 DAQOKS-DSEKENSSQRRRPKSDSNA-----SFLRARAGNLDRVLELRSGTD 55
QY 115 NLVKNPDERGFTPLIMASAFGEIETVRFLLEWGAADPHILAKERSALSASTGTYTDIVG 174
DB 56 D-INTCNQNLNLHLAKRGHVGLVOELLGRSSVDSATKGNLTALHIASLAGQAEVVK 114
QY 175 LLLEERDVDTINTYDMNGGTPPLIYAVRGNHVCEVALLARGADLTTEADSGYTPMDLAVAG 234
DB 115 VLVEGANINMAOSQNGFTPLYMAAQENHIDVVKYLLENGANQSTATEDGFTPLAVLQQG 174
QY 235 YRK-VQOVYIEN 244
DB 175 HMQAVAILLEN 185

RESULT 11
US-09-172-977-3
Sequence 3, Application US/09172977
Patent No. 5989863
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Guegler, Karl J.
APPLICANT: Corley, Neil C.
APPLICANT: Yue, Henry
TITLE OF INVENTION: HUMAN ANKYRIN FAMILY PROTEIN
FILE REFERENCE: PF-0615 US
CURRENT APPLICATION NUMBER: US/09/172,977
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PERL Program
SEQ ID NO 3
LENGTH: 843
TYPE: PRT
ORGANISM: Rattus norvegicus
FEATURE:
OTHER INFORMATION: g1841966
US-09-172-977-3

Query Match      14.7%  Score 197;  DB 2;  Length 843;
Best Local Similarity 32.4%;  Pred. No. 2e-11;
Matches 48;  Conservative 35;  Mismatches 63;  Indels 2;  Gaps 2;

QY 98 AAQGLDQKEHLRKDNLVKNPDERGFTPLIMASAFGEIETVRFLLEWGAADPHITLAKER 157
DB 4 ARAGNLDRVLELRSGTD-INTCNQNLNLHLAKRGHVGLVOELLGRSSVDSATKKG 62
QY 158 ESALSASTGTYTDIVGLLEERDVDTINTYDMNGGTPPLIYAVRGNHVCEVALLARGADLT 217
DB 63 NTLALHIASLAGQAEVVKVLVEGANINMAOSQNGFTPLYMAAQENHIDVVKYLLENGANOS 122
QY 218 TEADSGYTPMDLAVAGYRK-VQOVYIEN 244
DB 123 TATEDGFTPLAVLQQGHNOAVAILLEN 150

RESULT 12
US-09-082-059-2
Sequence 2, Application US/09082059A
Patent No. 6225086
GENERAL INFORMATION:
APPLICANT: Morrow, Jon S.
APPLICANT: Devatajan, Prasad
TITLE OF INVENTION: No. 6225086e1 Ankyrin Proteins and a Method for Their Identification
```

FILE REFERENCE: 44574-5002-US
CURRENT APPLICATION NUMBER: US/09/082,059A
CURRENT FILING DATE: 1998-05-21
EARLIER APPLICATION NUMBER: 60/047356
EARLIER FILING DATE: 1997-05-21
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 2
LENGTH: 1088
TYPE: PRT
ORGANISM: Homo sapiens
US-09-082-059-2

Query Match 14.0%; Score 187.5; DB 4; Length 1088;
Best Local Similarity 25.5%; Pred. No. 2.8e-10;
Matches 62; Conservative 44; Mismatches 76; Indels 61; Gaps 6;

QY 62 QAGSLKSTT-----LTNRQNEVSALPATLD--SLSI-----HQLAAGE 102
DB 141 QGASPMATTSGYTPHLHSARGHEDVAAF--LLOHGASLSITTKGFTPLHVAAYGK 198
QY 103 LDQLKEHLRKGNLVNKPDP-----ERGFT 126
DB 199 LEVANILLQKSA-----PDAAGKSGTPLHVAAYNQKVALLLLDGASPHAAKNGYT 254
QY 127 PLIMASAEIEIVRFLLEMGADPHILAKERESALSLASTGYTDIQLLERPDVINY 186
DB 255 PLHIAKKQMDIATTLLEYGADANAVTRGCIASVHLAQBEGHDVNSLLGRANVNL 314
QY 187 DWNGGTPPLVAVGNHVKCYEALLARGADLTTEADSGTTPMDLAVAGYRKVOQVIEHH 246
DB 315 NMSGTLPLHAAQEDRVNVAEVLVNGAHADAQTKMGYTPLHVGCHYGNIKIVFLQHS 374
QY 247 LKL 249
DB 375 AKV 377

RESULT 13
US-09-196-387-8
Sequence 8, Application US/09196387
Patent No. 6277613
GENERAL INFORMATION:
APPLICANT: de Lange, Titia
APPLICANT: Smith, Susan
TITLE OF INVENTION: A PROTEIN THAT BINDS TO TRF1 AND METHODS
TITLE OF INVENTION: OF USE THEREOF
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue, 4th Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/196,387
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/095,225
FILING DATE: June 10, 1998
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-230 CIP1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800

TELEFAX: 201-343-1684
TELEX: 133521
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 673 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-196-387-8

Query Match 13.9%; Score 187; DB 4; Length 673;
Best Local Similarity 24.3%; Pred. No. 1.5e-10;
Matches 72; Conservative 36; Mismatches 112; Indels 76; Gaps 9;

QY 18 ASELGDEPDEGEAAADSDTV-VLSFECTPEPVNPEBASVSPQASLSKSTTLNTR 76
DB 137 SSSSSSSSSPSSSLAESPEAAGVSTAPLPGGAGP---GTGVPAVAGALRE--LLEA 189
QY 77 QRGNEVALPATLDSLSI-----HQLAAGELDQLKEHLRKGNLVNKPDPER 123
DB 190 CRNGDVERVRKLVDAANVNAKMGARKSSPLHFAAGFGKRVVEHLLQGAN-VHARDG 248
QY 124 GFTPLIMASAEIETETRFLL-----EW-----GADP 150
DB 249 GLPLHNACSFGEAEVSVLLCGADPNARDNWTPLHEAIIKIKIDVCIYVLQHGADP 308
QY 151 HILAKERESALSLAS-----TGGY-----TDIVGLLERVDVINYDMN 189
DB 309 NIRTGDSALDLADPSAKAVLTGEYKDELLEARSNGEEKLMALLPLNVNCHASDGR 368
QY 190 GGTPLVAVGNHVKCYEALLARGADLTTEADSGTTPMDLAVAGYRKVOQVIEHH 245
DB 369 KSTPLHLAGYRVRIVQLLQHGADVAKDGGVPLHNACSYGHEYETELLKH 424

RESULT 14
US-09-196-387-10
Sequence 10, Application US/09196387
Patent No. 6277613
GENERAL INFORMATION:
APPLICANT: de Lange, Titia
APPLICANT: Smith, Susan
TITLE OF INVENTION: A PROTEIN THAT BINDS TO TRF1 AND METHODS
TITLE OF INVENTION: OF USE THEREOF
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue, 4th Floor
CITY: Hackensack
STATE: New Jersey
COUNTRY: USA
ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/196,387
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/095,225
FILING DATE: June 10, 1998
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 600-1-230 CIP1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
TELEX: 133521
INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:
 LENGTH: 949 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-196-387-10

Query Match 13.9%; Score 187; DB 4; Length 949;
 Best Local Similarity 24.3%; Pred. No. 2.6e-10;
 Matches 72; Conservative 36; Mismatches 112; Indels 76; Gaps 9;

QY 18 ASELGDEPEDPEEADGSDTV-VLSLPCTPEPVNPEPDASVSSPQAGSLKSHSTLTNR 76
 DB 137 SSSSSPSSPSSLAESPAGVSTALPGAGP---GTGPAVSGALRE---LLEA 189
 QY 77 QRGNEVSALPATLDSLSI-----HQLAAGELDQLEHRLKGDNLVKKPDER 123
 DB 190 CRNGDVSRVRLVDAAVNAKDMAGRKSSPLHFAAGFGKRDVVEHLQMGAN-VHARDG 248
 QY 124 GFTPLIWASAFGEIETVRFL-----EW-----GADP 150
 DB 249 GLIPLHNACSFHAEVVSLLCOGADPNARDNNVYTPLEHAIKGIDVCIIVLQHGADP 308
 QY 151 HILAKERESLSLAS-----TGY-----TDIVGLLERDVIDINITYDMN 189
 DB 309 NLRNTDGKSLDLADPSAKAVLTGEYKDELLAARSGNEKIMALLTPLNVNCHASDGR 368
 QY 190 GGTPLLYAVRGNHVCVEALLARGADLTTEADSGYTPMDLAVALGYRKYQVNIENH 245
 DB 369 KSTPLHLAAGYRVRIVOLLQHGADVHAKDGGVLPLHNACSYGHYEVTLLK 424

RESULT 15
 US-09-196-387-2

Sequence 2, Application US/09196387
 Patent No. 6277613

GENERAL INFORMATION:

APPLICANT: de Lange, Tiltia

APPLICANT: Smith, Susan

TITLE OF INVENTION: A PROTEIN THAT BINDS TO TRP1 AND METHODS

TITLE OF INVENTION: OF USE THEREOF

NUMBER OF SEQUENCES: 12

CORRESPONDENCE ADDRESS:

ADDRESSEE: Klauder & Jackson

STREET: 411 Hackensack Avenue, 4th Floor

CITY: Hackensack

STATE: New Jersey

COUNTRY: USA

ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/196,387

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/095,225

FILING DATE: June 10, 1998

ATTORNEY/AGENT INFORMATION:

NAME: Jackson Esq., David A.

REGISTRATION NUMBER: 26,742

REFERENCE/DOCKET NUMBER: 600-1-230 CIP1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-487-5800

TELEFAX: 201-343-1684

TELEX: 133521

INFORMATION FOR SEQ. ID NO. 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1327 amino acids

type: amino acid

STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: NO
 US-09-196-387-2

Query Match 13.9%; Score 187; DB 4; Length 1327;
 Best Local Similarity 24.3%; Pred. No. 4.3e-10;
 Matches 72; Conservative 36; Mismatches 112; Indels 76; Gaps 9;

QY 18 ASELGDEPEDPEEADGSDTV-VLSLPCTPEPVNPEPDASVSSPQAGSLKSHSTLTNR 76
 DB 137 SSSSSPSSPSSLAESPAGVSTALPGAGP---GTGPAVSGALRE---LLEA 189
 QY 77 QRGNEVSALPATLDSLSI-----HQLAAGELDQLEHRLKGDNLVKKPDER 123
 DB 190 CRNGDVSRVRLVDAAVNAKDMAGRKSSPLHFAAGFGKRDVVEHLQMGAN-VHARDG 248
 QY 124 GFTPLIWASAFGEIETVRFL-----EW-----GADP 150
 DB 249 GLIPLHNACSFHAEVVSLLCOGADPNARDNNVYTPLEHAIKGIDVCIIVLQHGADP 308
 QY 151 HILAKERESLSLAS-----TGY-----TDIVGLLERDVIDINITYDMN 189
 DB 309 NLRNTDGKSLDLADPSAKAVLTGEYKDELLAARSGNEKIMALLTPLNVNCHASDGR 368
 QY 190 GGTPLLYAVRGNHVCVEALLARGADLTTEADSGYTPMDLAVALGYRKYQVNIENH 245
 DB 369 KSTPLHLAAGYRVRIVOLLQHGADVHAKDGGVLPLHNACSYGHYEVTLLK 424

Search completed: March 17, 2003, 16:41:31
 Job time : 21 secs

